DB Name	Query	Hit Count	Set Name
USPT	112 and ((settop box) or (set top box) or (cable near2 box))	1	L17
USPT	112 near10 ((settop box) or (set top box) or (cable near2 box))	0	L16
USPT	112 and (schedule or guide or scheduling)	8	L15
USPT	112 and (17 or 110)	1	L14
USPT	112 same (address or addresses)	1	L13
USPT	feed generator	129	L12
USPT	13 and 110	0	L11
USPT	(348/906 or 348/461)[ccls]	313	L10
USPT	13 and 17	0	L9
USPT	13 and 16	3	L8
USPT	709/235[ccls]	137	L7
USPT	13 near10 (schedule or guide or scheduling)	3	L6
USPT	13 near10 ((program or programming) near2 (schedule or guide or scheduling))	0	L5
USPT	13 near10 ((settop box) or (set top box) or (cable near2 box))	0	L4
USPT	selectively near1 (configurable or reconfigurable or configure or reconfigure)	398	L3
USPT	(5619274 or 5550576 or 5388097 or 5521631)[pn]	4	L2
USPT	(5742677 or 5630119 or 5801747 or 5886690 or 5798785 or 5760821)[pn]	6	L1

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Search Results - Record(s) 1 through 1 of 1 returned.

1. Document ID: US 5666645 A   *Same assignee*
Entry 1 of 1   File: USPT   *Thomas et al.*   Sep 9, 1997

DOCUMENT-IDENTIFIER: US 5666645 A
TITLE: Data management and distribution system and method for an electronic
television program guide

BSPR:
Current data processing systems for cable television system headends and other
EPG providers vary widely in the manner in which they receive and process data.
Whereas some systems may be configured to receive an entire file, such as the
"IPG" computer from General Instruments, others may require that the data be
broken up into transactions used to update a database resident on the data
processor, such as the Information Services Processor (ISP) from
Scientific-Atlanta. Another scenario under development for the distribution of an
EPG is the utilization of a continuous or "live" digital data stream. The data
stream is transmitted to the EPG provider, which in turn distributes it to the
various system subscribers. Each subscriber is provided with appropriate software
and data processing capabilities to extract only the schedule information for
programs carried by the local program and EPG provider. One example of such a
system is the DigiCable feed generator designed for TCI. The DigiCable system
continuously generates a digital stream of EPG data and transmits it to DigiCable
compatible EPG providers. The data format and transmission protocol for this type
of system are very different from those of a system such as the ISP and IPG that
transmit data to program distributors on a periodic basis. Therefore, the EPG
distributor's system must be capable of generating different data feeds for each
of the different types of systems used by different EPG providers.

DEPR:
The configuration subsystem 50 is used to maintain information in the database
related to distribution of the EPG to the various EPG providers. This data
includes information such as lists of headends receiving each different edition
of the EPG, schedules for creation of the different editions, operational
parameters associated with the different target environments, and any other
target-defined data needed to generate the different editions and feeds. The
configuration data maintained by the configuration subsystem is consulted by the
other subsystems while performing their tasks. For example, the configuration
data is consulted by the ADC processor in performing the function of collecting
data for the database, the text fit processor to determine the field sizes for
the different target devices, and the edition and feed generator subsystems for
scheduling the creating and transport of editions and feeds.

DEPR:
The DigiCable feed requires high availability because it operates 24 hours a day,
seven days a week with no down time. It is preferable that the feed generation
platform be different from the main database 90 platform and that the connection
from the feed extraction and feed composition processes to the main database 90
be client-server. This permits the generation of the continuous data stream for